I would like to express my dismay at the possibility of the FCC approving use of BPL systems in the US. There have been preliminary studies made that suggest the extent of the interference generated by these systems would be severly damaging to communications systems already in use. These could include the AM broadcast band, international shortwave bands, VHF low band (30 to 50 MHz) and the amateur bands up to and including the 6 meter band. I would also suggest that mixing products produced by corroded power line connections would mix with Commercial FM and TV signals and generate products into the low microwave bands. I'm sure the FCC as a entity is aware of these severe side affects. As an amateur radio operator of the last 27 years and a short wave listener for about 50 years, I am aware of the potential of these bands to produce young people that will be of value to our economy and to our security. As a participant in local public service activities I am also aware of the value of amateur radio to the health and happiness of citizens in my area. The value of amateur radio to emergency communications goes without saying. It is truly a "fail safe" communications system in an emergency. The use of BPL technology in the US would most likely destroy amateur radio very quickly. Interest in listening to a noise filled spectrum would not be very inticing to new entrants into the ranks. This is especially ironic as it occurs just as the entrance requirements for new amateurs are being eased.
My vote goes against BPL because of its interference possibilities and the fact that there are other types of media more suited to broad band data transmission that power lines.